

Please type a plus sign (+) → +

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

1449/PTO	U.S. Department of Commerce Patent and Trademark Office	Application No. : 10/754,815
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 1 of 1		Filing Date : January 9, 2004
		First Named Inventor: Y. NAKAYA
		Group Art Unit :
		Examiner Name :
		Attorney Docket No. : FUJO 20.845

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code ² if known ³	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
Nile		6,492,942		KEZYS	12-10-2002	

FOREIGN DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

Other Prior Art-Non Patent Literature Documents

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check here if English language translation attached
Nile		European Search Report dated June 30, 2005	
		STEPHANIE L. PRESTON, et al. Base-Station Tracking in Mobile Communications Using a Switched Parasitic Antenna Array. IEEE Transactions on Antenna and Propagation, vol. 46, no. 6, June 1998, pages 841-844	
		JONG WON PARK, et al. Multiuser Detection Scheme Using Adaptive Antenna Array over Rayleigh Fading Channels. IEEE Vehicular Technology Conference, May 15, 2000, vol. 3 of 3, conf. 51, pages 2157-2161	
		HAK-LIM KO, et al. A Switched Beamforming System with Multiuser Detectors. IEEE Vehicular Technology Conference, May 15, 2000, vol. 2 of 3, conf. 51, pages 705-709	
		STEPHANIE PRESTON, et al. Direction Finding using a switched parasitic antenna array. Antennas and Propagation Society International Symposium, July 13, 1997, vol. 2, pages 1024-1027	
✓		TAO LUO, et al. Using Signal Cancellation for Optimum Beamforming in a Cellular CDMA System. Acoustics, Speech and Signal Processing, May 12, 1998, vol. 4, pages 2493-2496.	
Examiner Signature	N. H. W. T. L.		Date Considered 11/29/06

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1⁶ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

type a plus sign (+) → +
PTO

Patent and Trademark Office
U.S. Department of Commerce
Patent and Trademark Office

U.S. DEPARTMENT OF COMMERCE

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 1 of 1

Application No. :
Filing Date :
First Named Inventor: Y. NAKAYA
Group Art Unit :
Examiner Name :
Attorney Docket No. : FUJO 20.845

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code if known ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ² Number ⁴ Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
N/Le		8-331025	JP	NTT IDO TSUSHINMO KK	12-13-1998	

Other Prior Art-Non Patent Literature Documents

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check her if English language translation attached
N/Le		A. Nishikawa, et al. A Study on OFDM Adaptive Array in Mobile Communications. Technical Report of IEICE, PGS 73-78. March 2001	
		A. Nishikawa, et al. OFDM Adaptive Array for Doppler Shifted Wave Suppression. Technical Report of IEICE pgs. 57-62. October 2000	
		J. Cheng, et al. Adaptive Beamforming of ESPAR Antenna Based on Steepest Gradient Algorithm. IEICE Trans. Commun. Vol. E84-B, No.7 pgs. 1790-1800 July 2001	
Examiner Signature	Nhan T Le		Date Considered 11/29/06

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1¹ if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Bureau Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.